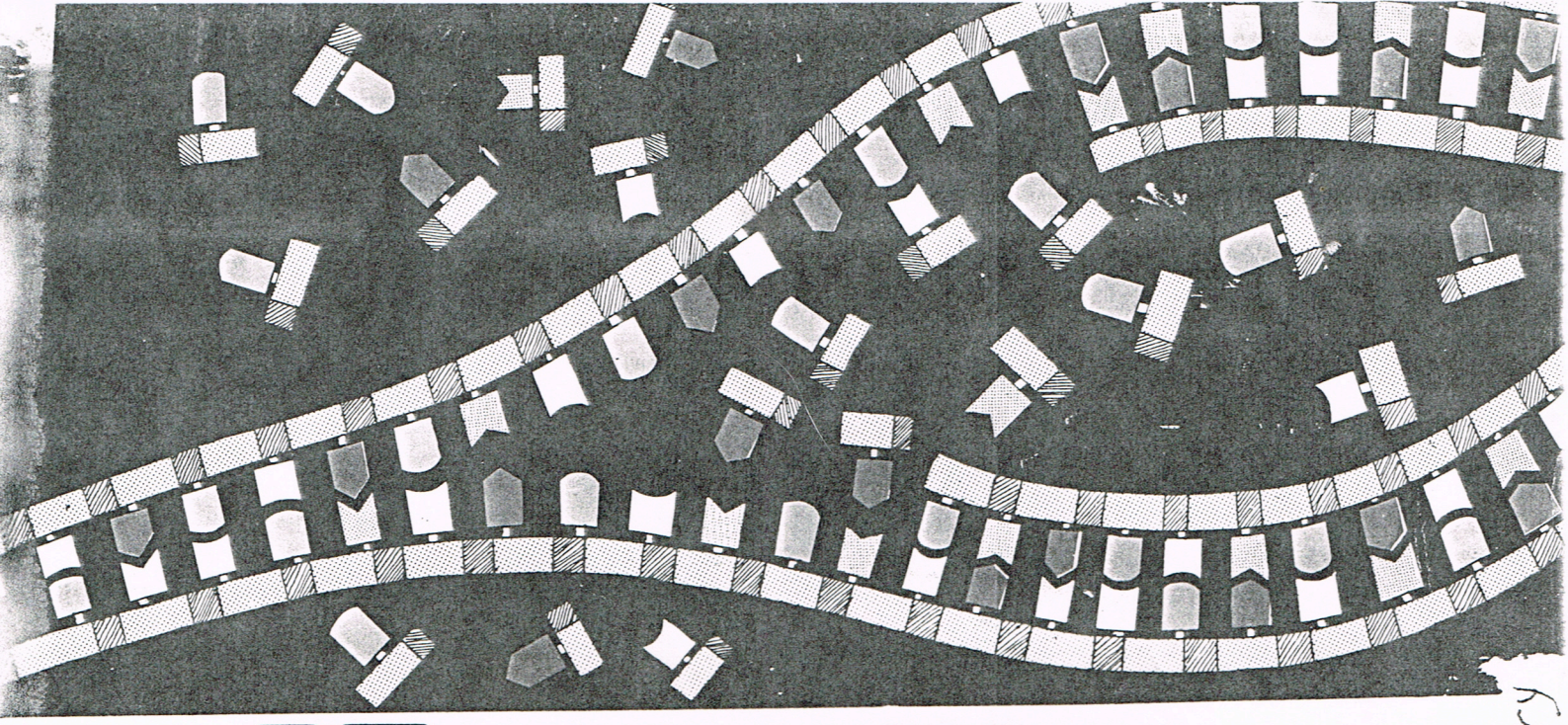


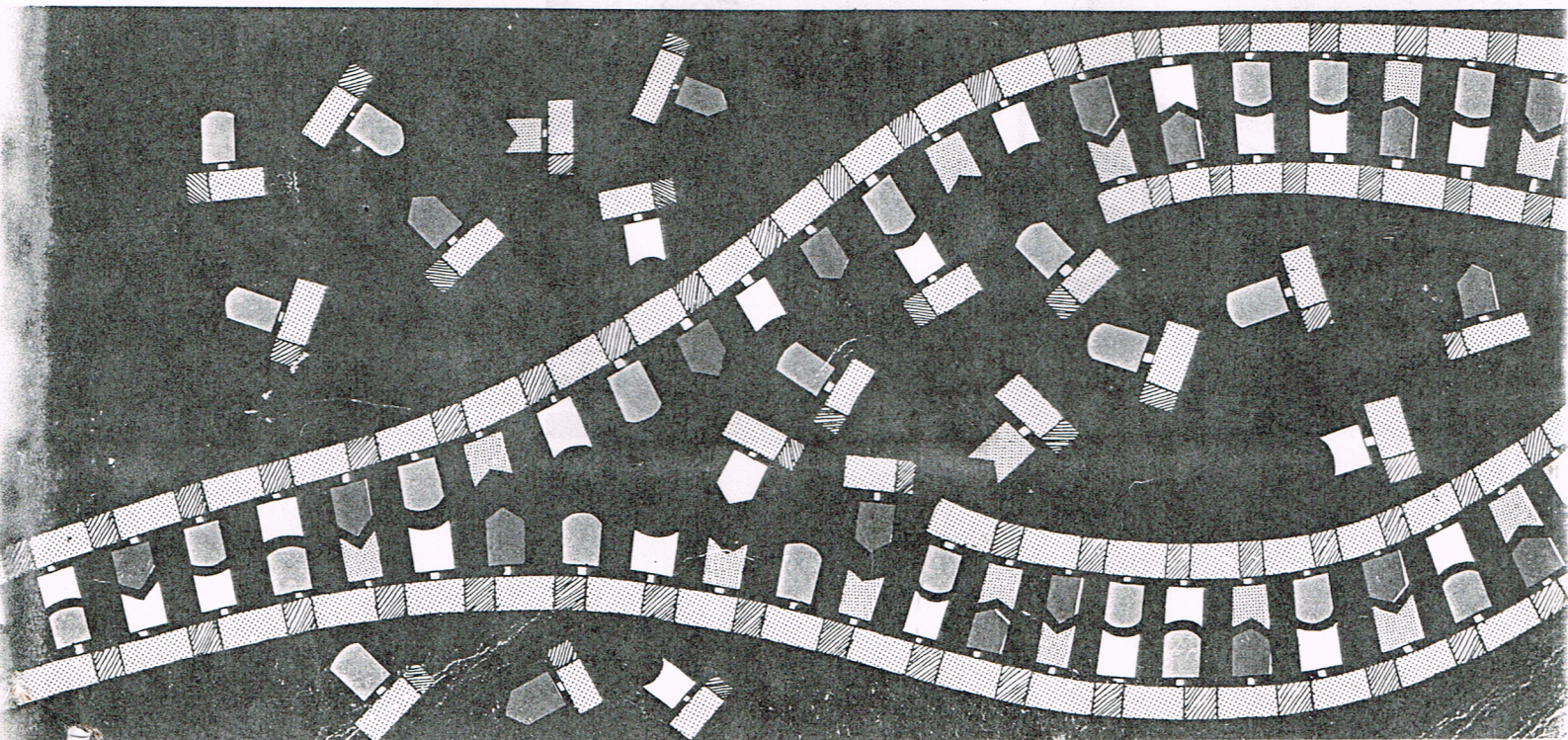
NEUROLOGY

Transmitted by Joanna and Timothy Leary

NEUROLOGY and Timothy Leary

LEVEL

This book is another reason why Dr. Timothy Leary has been confined in a California state prison since January 18, 1973.



NEUROLOGIC

Transmitted by Joanna and Timothy

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INTRODUCTION

The theories presented in this essay are Science Fiction. Philosophy of science. PSY PHI.

They are *scientific* in that they are based on empirical findings from physics, physiology, pharmacology, genetics, behavioral psychology, and, most important, neurology.

They are *fictional* in the Wittgensteinian sense that all theories and speculations beyond the propositions of natural science are subjective.

Other philosophers (particularly Christian theologians, statistical materialists, and Marxist dialecticians) make different interpretations of the same corpus of scientific fact. Such theories, however popular, are equally fictional. History suggests that philosophies accepted as academic dogma or enforced by punitive legal sanctions are not necessarily any less fictional than those which are persecuted and censored. Indeed, there is some sociological evidence that science fictions are forcibly suppressed only when they are likely to contribute more to human knowledge and freedom than the defensive orthodoxies they challenge. We think of Socrates, Darwin, Copernicus, Galileo, Pasteur, and the Jehovah's Witnesses in Spain.

SEVEN STAGE LIFE CYCLE

It gives us pleasure and increases our sense of freedom to believe that the species known as *homo sapiens* evolves through a seven stage life cycle. Each of these seven stages of human metamorphosis produces a life-form which is as visibly different from the preceding and succeeding phases as the larval caterpillar is different from the metamorphosized butterfly.

Each of the seven cycles of human life involves gross dramatic alterations in morphology, behavior, physiology, and most important, in neurological function. In spite of the fact that these changes are obvious, even to the most untutored observer, the psychological-philosophic implications of these seven stages have not been admitted nor understood by scientists and philosophers. This may be due to the possibility that the human species itself is evolving through the same seven stages, and, until recently, has been almost exclusively preoccupied with basic, primitive survival processes (biological, political, technological, social).* By analogy, a society of

* Rudimentary recognition of the larval, cyclical nature of contemporary human existence has been sporadically attained in earlier civilizations which have temporarily reached the necessary level of biological, political, technological, and reproductive security. In ancient China, India, Ceylon, Babylon, Egypt, Greece, Renaissance Europe, a few neurologically elite, premature evolutes have used leisure (i.e., the **time**) and available technology to develop bodily hedonics, erotic aesthetic expressions, science fiction speculations and botanical-chemical methods of expanding neurological functions beyond survival imprints.

earthbound caterpillars would be neurologically inhibited from recognizing that the butterfly is a later version (both phylogenetically and individually) of itself.

The scientific facts about the nervous system and the D.N.A. code now available in any junior college text can be understood by a seven year old child. These facts are so alien to Judeo-Christian conceptions of human nature that they have been repressed. Unconscious resistance to patent observations and scientific findings is a routine process in the evolution of human knowledge. We are familiar with the tendency to place under taboo facts which disturb orthodox monotheistic religious dogma.

Discovery of the serial imprinting of the nervous system and recognition of the implications of bi-lateral asymmetry in the cortex may be the most important quantum leap in the history of human knowledge.

The human nervous system evolves sequentially through seven maturational stages. At each stage a new circuit of the nervous system emerges.

The seven circuits of the nervous system are:

1. *The Bio-Vegetative Circuit,* concerned with safety in space;
2. *The Emotion-Locomotion Circuit*, concerned with freedom in space;
3. *The Mental-Manipulative Circuit,* concerned with dexterity in space;
4. *The Sexual-Social Circuit*, concerned with parenthood and child-rearing;
5. *The Rapture Circuit*, concerned with body time;
6. *The Ecstasy Circuit,* concerned with neurological time;
7. *The Neurogenetic Circuit,* concerned with the life time of the species.

At each chronological stage a new *imprint* is taken. Each imprint determines the positive and negative foci for subsequent conditioning of this newly activated neural circuit.

All the activity of the nervous system is based, of course, on chemico-electrical communication. Each circuit of the nervous system has been designed by the D.N.A. code to deal with the physical characteristics of planet earth and the corollary asymmetries of the human anatomy.

THE BIO-SURVIVAL CIRCUIT

"We Are Safe"

THE BIO-SURVIVAL CIRCUIT mediates the vegetative, vital processes and orients toward their external gratification. The bio-survival imprint which occurs in the first days after birth fixates the "safe" and "dangerous" dimensions of external consciousness. This basic "approach-avoidance" gradient is based on the dorsal-ventral (front-back) asymmetry of the human body. The basic orientation is to face the positive and to avoid the noxious. What is in front is "safe," what is behind is "dangerous."

The first neural circuit in the individual recapitulates the first phylogenetic stage in the evolution of species, the rudimentary nervous system of uni-cellular organisms oriented to a simple approach-avoidance vector.

The first imprint orients one to the mothering person and determines the bed-root value orientation. If the environment satisfies the needs for food, warmth, quiet, protection, then a basis for subsequent trustful commerce with the external world is laid down. If the "human environment" of early infancy is unrewarding,

cold, noxious, painful, noisy, jarring, then the neonate turns its back and does not imprint human beings as the source of safety and vital energy. A negative-fixation of this sort leaves the first neural circuit without a consistent external focus. The result is a persistent inability to relate to the external world. According to this theory the so-called autistic person or childhood schizophrenic can be more usefully diagnosed and treated as first circuit schizoid, or bio-vegetative schizoid.

CONDITIONING IS BASED ON THE IMPRINT

The first neural imprint occurs during a "critical period" in the first days after birth. The imprint establishes the positive and negative foci around which subsequent conditioning occurs. If the mothering person is imprinted as dangerous then stimuli associated with mother (including other persons) are seen as dangerous.

THE TREATMENT OF FIRST CIRCUIT SCHIZOPHRENIA

According to this theory the treatment of the autistic child is a simple matter.

The problem of infant schizophrenia is that human beings have been imprinted as negative-dangerous, thus preventing conditioned learning of human ways.

The solution is to suspend the imprint and allow a new re-imprint involving positive orientation toward the mother.

Suspension of imprints and the facilitation of re-imprints is accomplished by undoing the bio-chemical synaptic patterns which define neural circuit programming.

Psychedelic drugs like L.S.D. suspend imprints and conditioned networks. After L.S.D. has been administered to the autistic child the mother or parental person spends eight hours providing the child with warmth, nurturance, gentle, tender, soft, serene stimuli. The imprinting message is: "You are safe," "We are safe." With a new person-positive imprint thus established the mother continues to reinforce with "safety" stimuli. Three or four such L.S.D. re-imprinting experiences combined with consistent post-L.S.D. "safety" stimuli should insure the maintenance of a positive Circuit One imprint and conditioning system.

THE PROBLEM OF NEUROLOGICAL ETHICS AND NEUROLOGICAL POLITICS

This essay attempts to present in compressed language a complete philosophy of evolution. We assume (without reviews or restatement) the current facts and theories of nuclear physics, astronomy, D.N.A. genetics, ethology, experimental imprinting, neurology and behavioral-experimental psychology.

Based on this consensus of scientific fact and on our extensive experimentaion with L.S.D. in the widest range of set, setting and social context, we present:

1. A neurological cosmology—a theory of the origin, evolution and destiny of life on and off this planet.
2. A neurological politic—defining the basic issues of freedom and social control.
3. A neurological epistomology—a theory of what is subjectively true and what is consensually fact.
4. A neurological ethic—defining what is subjectively good and consensually virtuous.
5. A neurological aesthetic—defining what is beautiful.
6. A neurological ontology—a theory of the seven levels of reality and their interaction.
7. A neurogenetic eschatological therapeutic—defining the natural, healthy course of individual and species evolution.

The hazard of this philosophy is that it is tangible, practical. It is based upon the anatomy and physiology of the nervous system and upon pharmacological substances which alter neural function. Like it or not this philosophy works. If you take L.S.D. to check out these hypotheses you will automatically alter your consciousness, transcend the neural imprints which define your familiar reality, suspend your conditioned networks, loosen your aesthetic, ethical, and epistomological solidities. Like the telescope to astronomy and the microscope to biology, L.S.D. compels a dramatic revision of our neurologic.

L.S.D. does alter brain function, change personality, create vulnerable suggestibilities totally determined by set and setting.

L.S.D. and this neurologic theory it has inspired is eminently heuristic-that is, it leads directly to experimentaion, it offers immediate and extensive and straightforward experimental tests of the hypotheses suggested.

For example, the hypothesis about the cause and cure of autistic schizophrenia (certainly our most tragic and irreversible mental disease) can be simply checked out by any psychiatrist.

But here we confront the most ominous ethical and political issues. The mind-changing, consciousness-manipulating techniques discovered in the 1960s have become, as predicted,* a major civil rights controversy of the 1970s. The questions are simple and totally crucial to the evolution of our species: Who will decide who is to control the mind-changing stimuli? Who will decide whose consciousness will be changed and how?

The authors of this essay believe that there is only one answer to these questions: The individual is the only one to determine how his or her consciousness should be altered. While society has the right to prescribe and control

* "The Politics of Consciousness" by Timothy Leary and Richard Alpert, **Harvard Review**, Cambridge, Massachusetts, Spring 1963.

behaviors which are overtly antisocial, it has no right to control events within the nervous systems and bodies of free men and women.

This position of individual freedom and individual responsibility has been elsewhere formalized as the Two Commandments of the Neurological Age:*

1. Thou shalt not alter the consciousness of thy neighbor.
2. Thou shalt not prevent thy neighbor from altering his or her own consciousness.

In subsequent pages we shall consider many practical, therapeutic, educational applications of neurologic. In all such discussions our political and ethical posture holds that only the individual should possess and use the key to his or her own neurological evolution.

* **The Politics of Ecstasy** by Timothy Leary, Putnam, New York, New York, 1968.

THE EMOTION-LOCOMOTION CIRCUIT

"We Are Free"

THE EMOTION-LOCOMOTION CIRCUIT mediates muscular power and the gravity-mastery of the body. The motion-locomotion-emotion imprint, which occurs when the child's muscular development allows it to crawl, fixates the "above-me" and the "below-me" dimension of the external world. This imprint is necessary to deal with the vertical (head-foot) asymmetry of the human body. The second imprint, when combined with the approach-avoid parameters of the first imprint, defines the two-dimensional movement model upon which subsequent emotional conditioning is based. All emotions are variants of the above-below-approach-avoid bi-dimensional grid*.

Phylogenetically the second neural circuit evolved in the early paleozoic period (five hundred million years B.C.) when the first vertebrates and amphibians began to rise up against and to free themselves from the pull of gravity. The ability to dominate, locomote and exert superior force became a survival asset.

* **The Interpersonal Diagnosis of Personality** by Timothy Leary, Ronald Press, New York, New York, 1957.

The emotional circuit of man's nervous system is thus an emergency device. When the human being acts in an emotional way he or she is reverting to a most primitive phase of brute rage or terror.

The emotional circuit is mediated by the sympathetic nervous system which drains energy and consciousness away from the vegetative parasympathetic system and from the higher circuits.

The sympathetic nervous system is triggered off by fear and mobilizes intense defensive and rage behavior. The young animal fixates the emotional imprint the first time it faces a terror-producing stimulus which threatens free movement. Fear-objects are strongly determined by the reaction of the first safety circuit foci: terror in the mothering person communicates to the vulnerable child nervous system. When children are exposed to restricting rage, violence, or fear during the critical imprint period, subsequent conditioning associates the emerging reaction—rage, withdrawal, flight, anxiety—with the stimuli. The violence of the father, the approach of a snake, touching the body of a person of the opposite or same sex can arouse violent restrictive reactions in the environment. An ominous aspect of the emerging emotional reaction is that it invariably triggers off a mutual fear response in others present, attracts attention, gives status.

CIRCUIT TWO SCHIZOPHRENIA

When imprinting and subsequent conditioning connect fear or rage with inappropriate persons or situations a Circuit Two schizoid state exists. Persons who exhibit streaks of violent rage or those who manifest irrational fears suffer from faulty imprinting. Such reactions are often complicated by semi-autistic, shaky person-imprints in the first (safety) circuit.

According to this theory of personality, treatment of emotional schizophrenia is a simple matter. The terror-imprints are suspended by the ingestion of L.S.D. and the person is assured, or assures him- or herself, in every way truthfully relevant that there is no restriction, that there is nothing to fear. "We are free." Calm, serene, courage-inducing behavior on the part of the personal environment during re-imprinting is the direct "cure" for Circuit Two fear and rage reactions.

Fear and rage restrictions on freedom now dominate our social life. These reactions are easily corrected given our current knowledge of neurologic and pharmacology.

Unhappily, fear and restricting violence can become addictive kicks, reinforced by schizophrenic policy-makers and an economic system which depends upon restricting freedom, and upon the production of fear and the inciting of violent behavior.

THE MENTAL-MANIPULATIVE CIRCUIT

"We Are All Right"

THE MENTAL-MANIPULATIVE CIRCUIT mediates fine, precise muscular activities, especially speech, which are made possible by the uni-lateral dominance of one half of the cerebral cortex. Dexterity means right-handedness and left cortical control which facilitate manipulative grasping (open-close). Thinking is subvocal talking, silent speech, noiseless opening-closing of the larynx. The dexterity circuit imprints when the child learns to speak and manifest uni-lateral precise movements. The third neural circuit imprint, when combined with the first two imprints, defines the three-dimensional model of mind and the six characteristics of intelligence:

1. grasping of stimuli
2. rejection of stimuli
3. initiation of stimuli
4. repetition of stimuli
5. connecting of stimuli
6. separating of stimuli.

It will be seen that each of these actions could be survivally useful to an emerging homonid developing manipulative dexterity and the rudiments of speech.

The emergence of a cortex with uni-lateral dominance directing dexterity has been dated to around two million B.C. when mankind began using stone and bone tools—the beginning of symbolic or substitutive activity.

The third imprint determines which side of the cortex, which hand and which of the six mental modes (the six types of intelligence) will become dominant.

The human symbolic environment at the time the child begins to speak is crucial in determining which kind of intelligence is imprinted. The child models him- or herself after adults and peer figures. If the environment is dangerous, restricting, and the parental mental-mode rejecting, then the child will imprint and develop a distrustful, rejecting, repetitious mind—perfectly adaptable in a peasant society.

By the time the child is five the kind of intelligence has been determined by third circuit imprinting and conditioning. Later educational exposure, no matter how stimulating, can make little change in the "mind" after this time.

According to neurologic there is only one way to "change one's mind." If the principles of serial imprinting and pharmacologically induced re-imprinting are understood, one can select the type

of intelligence one wishes to re-imprint, take L.S.D. in a setting where one will be exposed to this model of thinking, and continue to associate positive experiences with the new model. During the 1960s millions of Americans and west Europeans changed their mode of thinking by the self-administration of psychedelic drugs in the intellectual and philosophic atmosphere generated by such models as Bob Dylan, the Beatles, the Rolling Stones, oriental gurus and PSY PHI prophets. The effects of this neurological revolution have been to set up such a controversial social confusion that it will take a new generation of psychologists and sociologists to assess the effects.

The basic and practical neurological facts are obvious:

1. Third circuit (intellectual) schizophrenia, mental deficiency, and the type of symbolic-manipulative intelligence are determined by the third neural imprint occurring from the third to fifth year.

2. Subsequent education cannot change the imprinted mental mode. *You cannot recondition unless you re-imprint.* No amount of "positive reinforcement" can change a laid-down neural program.

3. The enormous neural potentiality of the brain suggests that exponential multiplications of and changes in intellectual efficiency are possible

when psychologists and neurologicians begin to use our knowledge of serial imprinting and re-imprinting.

4. The potency of the setting, the environment, and symbolic models for changing the minds of those who use psychedelic drugs cannot be over-estimated in light of our knowledge of the suggestible vulnerability and re-imprint facility of the nervous system.

THE SOCIO-SEXUAL CIRCUIT

"We Are Good"

THE SOCIO-SEXUAL CIRCUIT mediates the bio-social activities involved in courtship, strutting, display, mating, copulation, orgasm, as well as the complex sperm-egg protective arrangements which comprise family responsibility and social role. This fourth imprint occurs at pubescence when behavior, thinking, and emotion are dominated by orgasm drive. As is true of earlier imprints, the activation of the fourth circuit is clearly marked by dramatic changes in body structure involving sexual allure and gender asymmetry preparing for either penetration-implantation of sperm or reception-incorporation of sperm. Orgasm-avoidance models can also be imprinted and supported by inhibitory conditioning. Other sex-linked anatomical physiological factors serve for post-conception, post-pregnancy protection of mother and young.

RESPONSIBILITY

The fourth circuit imprint, when combined with the first three imprints and conditioned networks, defines the four-dimensional model of the adult (larval) personality. After orgasm and impregnation the fourth circuit imprint (stimulated by endocrine, muscular, and mental conditioning)

returns-and-binds the body to activities connected with nesting, responsibility, nurturance, teaching, husbandry, avuncularity, and the various social dimensions of childcare—i.e., the presentation and maintenance of the social environment necessary for child survival. Shortly after pubescence neurological evolution stops and returns to the beginning of the larval-survival cycle. The fourth imprint and subsequent conditioning produces a new personality dominated by familial responsibilities, nurturant emotions, and conservative social manipulations. Most human beings remain at the fourth level of neuro-evolution until menopause leads to the stasis of senility and finally the rapture, ecstasy and revelation of dying.

DIGRESSION

Before considering the remaining three neural circuits it is necessary to consider how the larval imprints and conditionings are transcended.

POLARIZED EXTERNAL WORLD

It will be noted that the previous four neural circuits, imprints and conditioned networks are totally concerned with adapting and preparing the individual to deal with the spatially polarized outside world:

1. Approach-safe vs. Avoid-dangerous;
2. Dominate-strong vs. Submit-helpless;
2. Vocal-dexterous vs. Silent-sinister;
4. Sexually responsible vs. Sexually irresponsible.

THE FUNCTION

The function of the emerging larval nervous system is to focus, to select, to narrow-down, to choose, from an infinity of possibilities, these avenues, these spatial tactics, these asymmetrical strategies, these sequences which insure survival of the individual and his offspring *here in this place of birth and growth*. Without these built-in selecting devices, the human infant, regardless of its neural potentialities, could not survive to reproduce. The infant is prepared to learn any language, master any manipulative intricacy, play any sex role, but becomes rigidly fixated to accept, follow, mimic the narrow offerings of accidental parochiality.

THE PRICE

In so doing, the human being pays a heavy price. Survival and growth in *this* narrow space means forfeiting the endowment of eternal time. In less poetic terms this means that imprinting and conditioning focus awareness on a trivial fragment of the potentials for experience represented by a twenty billion cell bio-computer system, each cell of which is interrelated bio-electrically.

DEXTERITY

A most curious and crucial aspect of this neural sacrifice is the price paid for dexterity. Manipulation, precision, speech and subvocal thinking, indeed, all man's external knowledge results from

uni-lateral dominance. The right-handed person is a left-hemisphere person and has conditioned himself to ignore and for the most part not use the right side of the brain.

THE SINISTER UNCONSCIOUS

The curiosity is this: one half of the nervous system, unimprinted and unconditioned, is kept from consciousness by the right handed imprints and conditionings. When the conditioned synaptic circuits are transcended, consciousness is no longer fixated, imprisoned by the routine pressures of social, mental, emotional life and is free to experience the unconditioned pathways of the silent hemisphere.

SILENT HEMISPHERE

The right hemisphere of the brain* exists as a New World to be entered, explored, and harmoniously utilized. It may well be that discovery and exploration of the silent neural hemisphere will turn out to be more important in human evolution than the discovery of the silent geographical hemisphere five centuries ago.

* The designations "right" and "left" in this discussion should be reversed for left-handed people who may be more advanced in the neuro-evolutionary sense than the dexterous.

TRANSCENDENT PEOPLE

Access to the right cortex has been possible in the past to the following persons:

a. *epileptics* The seizure is an electrified convulsion which, suspending imprints and conditionings, sweeps through the entire brain. During the premonitory aura period "new, alien, revelatory" states of consciousness are experienced. The testimony of Mohammed, Caesar, Dostoyevsky certifies to the transcendental, trans-cortical, trans-Rubicon power of the seizure.

b. *schizophrenics* The so-called "split personality" is due to eccentricities in early imprinting, failures to establish firm uni-lateral dominance. All definitions of schizophrenia emphasize the failure to establish contact with external "reality" which is now defined as a failure to establish safety, security, dexterity, and responsible sex role. We can deduce that there are four "pure" types of schizophrenia depending upon which of the four asymmetrical imprints failed to "take":

1. Bio-vegetative schizoid (failure to approach mothering person);
2. emotional schizoid;
3. cognitive schizoid;
4. sexual schizoid (failure to imprint appropriate sex role).

It is well known that many schizoids are exceptionally original, visionary, prophetic, and creative. The puzzle of schizophrenia may be due to our lack of understanding of the crucial role of imprinting and hemisphere localization. Perhaps schizoids are "alien" because they are sinister, i.e., wrong-right cortical imprints.

c. *yogins* Throughout history certain shamanic persons have succeeded in transcending imprints and conditioned circuits by means of sensory and social deprivation. Since early imprinting and conditioning are totally externalized (thinking is silent talking), meditation and deliberate regimes of isolation make it possible to escape hemispheric dominance and to experience unconditionally.

d. *drug users* It is well known that certain psycho-active drugs suspend imprints, transcend conditionings and provide novel metacognitive, fantastic states of consciousness which, according to the present theory, should be accompanied by increased, altered right-cortical activity as measured by electroencephalograph.

When the four external larval imprints are transcended, consciousness has access to areas of the nervous system ordinarily blocked off.

NEUROLOGICAL METAMORPHOSIS

According to the present theory of neurologic this liberation from early imprints and this access to the "silent hemisphere" is a natural evolutionary and maturational stage—so dramatic as to merit

the term *metamorphosis*. We must assume that the D.N.A. code has constructed the nervous system to be used. Nature, while extravagant in experiment, is always parsimonious in structural efficiency and would hardly have designed the most complex of its biological constructions—the human brain—so that half of its neural potentialities remain unconscious and unused.

ADVANCED IMPRINTS

This neurological metamorphosis opens up the possibility of another more *advanced series of imprints and new conditioning circuits* not designed for physical and offspring survival in space but for a more complex form of consciousness and communication.

PURPOSE OF SILENT HEMISPHERE

What is the purpose of the silent hemisphere and of the states of consciousness which occur when survival imprints are suspended? States of consciousness which have been eagerly sought and glowingly described by many who have experienced them?

The first four imprints are concerned with mastery of space. The three later imprints and conditioned networks are concerned with the mastery of time.

Time imprints and time conditionings involve new categories and dimensions.

POLARITIES OF SPACE CONSCIOUSNESS

We have seen that larval, pre-metamorphic imprints are based on four spatial vectors:

1. toward safety vs. away from danger;
2. above-power vs. below-weakness;
3. dexterous control vs. sinister freedom;
4. sexually responsible "good" vs. sexually individual "bad."*

THE DIMENSIONS OF TIME

The dimensions of experienced time within the nervous system are:

—intensity of signals
—quality of signals (frequency and pattern)
—duration of signals (rate of change).

It must be stressed that time consciousness does not use the polarities and value categories of space consciousness. There is no right or wrong; no coercive or helpless; no competition, no words, no strivings, no fears, failures, successes, dangers; no incessant lusts, no inhibitions. There is simply energy in various intensities, durations, qualities, patterns: signals to be prolonged, changed, selected and then harmonized with and used to enrich the polarized experience of space consciousness.

* The shadowy, eerie, evil nature of the silent hemisphere should now be clear. The right cortex represents what is behind, below, sinister, uncontrolled, irresponsible, dangerous. "God" and "Devil" reside in the right cortex.

THE GOALS OF TIME CONSCIOUSNESS

The goals of space consciousness are to survive in space.

The goals of time consciousness are to exist in time, to harmonize the intensity, quality, duration, and novelty of energy received to decipher time scripts encoded in the nervous system and D.N.A.

We can speak of the ethics of space and the aesthetics of time: the mastery of space and the dilation or contraction of time.*

The four space imprints seem to follow the laws of Newtonian physics. The three "Time imprints" seem to follow the laws of Einsteinian physics.*

The three neural circuits mediating the consciousness of time are:

Circuit Five mediating body time (sensory and somatic);
Circuit Six mediating neurological time;
Circuit Seven revealing D.N.A. time.

With this digressive introduction we can proceed to consider the three transcendental, trans-cortical circuits of the nervous system.

* In a later section of this paper we shall consider in detail the application of the Einsteinian and Lorentzian demonstrations of the covariance of space and time to the dilation and contraction of experienced time.

THE RAPTURE CIRCUIT

"It's Beautiful"

THE RAPTURE CIRCUIT mediates the experience registered by the external sense organs and the internal sense organs. Afferent signals from the somatic system: breathing, circulation, sex, ingestion, digestion, elimination, sympathetic (emergency). And from the external receptors: optical, aural, tactual, taste, smell, temperature, pressure, pain, balance, kinaesthetic, electro-aesthetic. The rapture imprint occurs the first time the space imprints are transcended and the aesthetic impact of direct sensation is received. Up until this time the internal and external sense organs have served to provide sensory cues for the larval conditioned systems. "Red is for stop; green is for go." During rapture "red" and "green" are seen as areas of pulsating light energy varying in intensity, wave-frequency, and duration. The eye does not "see things" but registers direct sensation uninterrupted by third circuit thinking. When this circuit is operating, intensity of sensation is dramatically increased, the duration of awareness seems longer because of the naked focus of attention, and the pattern is expanded because there is no longer figure-grcund but a

complex pattern of energy. Since the nervous system operates as a bio-chemical-electrical network, rapturous experience interacts with and must be integrated with space conditionings. The conditional cues from the larval circuits are not wiped out but are harmonized (often humorously) with the undulating waves of direct sensation. It is clear that we are considering here the modes of perception attained by Fechnerian introspectionists, Zen masters, artists, marijuana adepts—meta-rational, polymorphous-erotic, hedonic.

THE PARADOX OF TIME CONSCIOUSNESS

And here we face the paradox and the terror of time consciousness. Crossing over to the "silent hemisphere" involves shooting the Hedonic Gap, hurtling the Hedonic Barrier, creating a Hedonic Boom which momentarily shatters all previously imprinted and learned values. Consciousness seems to be invading all the forbidden and dangerous areas: the "below," the "behind," the "wrong," and the "cross-sexual." The first circuit screams, "Danger! Red alert!" The second circuit shouts, "Watch out! You are helpless!" The third circuit warns, "Unknown! Beware! You are not right!" The fourth circuit overwhelmed by polymorphous bliss whispers, "Evil! Irresponsible! Violation of sex role."

THE TABOO, THE AWE, THE ALIENATION

The instinctive terrors mastered by sky divers, scuba divers, and the various death-defying circus performers are as nothing compared to the panic momentarily experienced by the nervous system which transcends its four life-long and life-preserving larval circuits. We can understand the taboo, the awe, the alienation that is felt—the interpretations of danger, stupor, madness, and diabolic possession.

THE EXULTATION

And we can understand as well the exultation, the sense of splendid certainty, of rebirth, of philosophic revelation that accompanies trans-cortical discoveries made by the courageous, the emotionally stable, the intellectually prepared, the sexually secure. The "new" cortical hemisphere is as real and as raw as the "new" world of Columbus.

The rapture imprint discovers the body as instrument of freedom-pleasure and is analagous to the discovery that the car can be used, not just for survival, for power, for work, or for sexual status, but for pleasure-driving. Joy-riding the body becomes a hedonic art.

THE EXTERNALS OF RAPTURE

It will be noted that each of the four larval imprints addicts the nervous system to certain

external stimuli which are registered as "positive" or associated (via conditioning) with "positives." A similar addiction to externals occurs in the rapture circuit. Certain specific sense organs can become fixated as "rapture-prone." Certain aesthetically pleasing stimuli become associated with hedonic reward: certain sounds, certain odors, certain tastes, certain touches, certain somatic reactions. Rapture can become a "hang-up" and a repetitious satin trap, as the history of leisure classes testifies. The tendency to become addicted to aesthetic specifics is enhanced by the characteristic of the fifth circuit to prolong erotic experience.

THE TANTRIC LINKAGE

A moment's reflection on the hedonic engineering involved will confirm the linkage of male-and-female as the ultimate in polymorphous rapture. Tantra is the ancient, oriental form of ritualized and stylized erotic comunication which connects all the sense organs of the man with the parallel receptivity of the woman. It is postponement of orgasm and prolongation of multi-channel sensory exchange. When the rapture linkage is integrated with sex-role harmony, intellectual stimulation, emotional synchronicity, and mutual bio-security, the five-circuit two-person time capsule thus formed is the best vehicle for entering neurological time.

THE TABOO, THE AWE, THE ALIENATION

The instinctive terrors mastered by sky divers, scuba divers, and the various death-defying circus performers are as nothing compared to the panic momentarily experienced by the nervous system which transcends its four life-long and life-preserving larval circuits. We can understand the taboo, the awe, the alienation that is felt—the interpretations of danger, stupor, madness, and diabolic possession.

THE EXULTATION

And we can understand as well the exultation, the sense of splendid certainty, of rebirth, of philosophic revelation that accompanies trans-cortical discoveries made by the courageous, the emotionally stable, the intellectually prepared, the sexually secure. The "new" cortical hemisphere is as real and as raw as the "new" world of Columbus.

The rapture imprint discovers the body as instrument of freedom-pleasure and is analagous to the discovery that the car can be used, not just for survival, for power, for work, or for sexual status, but for pleasure-driving. Joy-riding the body becomes a hedonic art.

THE EXTERNALS OF RAPTURE

It will be noted that each of the four larval imprints addicts the nervous system to certain

external stimuli which are registered as "positive" or associated (via conditioning) with "positives." A similar addiction to externals occurs in the rapture circuit. Certain specific sense organs can become fixated as "rapture-prone." Certain aesthetically pleasing stimuli become associated with hedonic reward: certain sounds, certain odors, certain tastes, certain touches, certain somatic reactions. Rapture can become a "hang-up" and a repetitious satin trap, as the history of leisure classes testifies. The tendency to become addicted to aesthetic specifics is enhanced by the characteristic of the fifth circuit to prolong erotic experience.

THE TANTRIC LINKAGE

A moment's reflection on the hedonic engineering involved will confirm the linkage of male-and-female as the ultimate in polymorphous rapture. Tantra is the ancient, oriental form of ritualized and stylized erotic comunication which connects all the sense organs of the man with the parallel receptivity of the woman. It is postponement of orgasm and prolongation of multi-channel sensory exchange. When the rapture linkage is integrated with sex-role harmony, intellectual stimulation, emotional synchronicity, and mutual bio-security, the five-circuit two-person time capsule thus formed is the best vehicle for entering neurological time.

THE ECSTASY CIRCUIT

"It's Time!"

THE ECSTASY CIRCUIT is the nervous system free of the body and of the larval imprint, conscious only of its own functioning. The nervous system literally imprints itself: consciousness is totally composed of neurological signals.

THE NEURON

The anatomical and physiological unit of the nervous system is the neuron. The neuron receives signals via receptor fibres (dendritic fingers) which transmit to the cell body. Within the cell body messages are interpreted and stored. In addition to its analytic and memory structures the cell body contains a nucleus. The nucleus contains the D.N.A. code from which R.N.A. molecules are sent to construct and maintain cellular life processes. The neuron's function is to receive, remember, interpret incoming impulses and to transmit messages to other neurons or to stimulate the action of a muscle or a gland. The axonic fibre releases the output message by squeezing off a terminal button which contains a chemical secretion—a drug. This drug produces a chemical change in the space between the sending

neuron and the receiving. This intercellular gap is called the synapse. The mode of transferring messages across the synaptic connection is a drug.

The headquarters of the nervous system is, of course, the brain, 1400 grams of nerve tissue encased in a protective skull structure and floating in a bath of spinal fluid which cushions it against shock.

Nerve cells do not regenerate. The human being before birth possesses the endowment of twenty billion neurons and that is it. From ten thousand to one hundred thousand neurons die each day of life—sands of consciousness draining away.

WE ARE OUR NERVOUS SYSTEMS

Human life is not measured by the life span of body organs which can be replaced or the life span of body cells which die and regenerate on the average of every few days. Life span is measured by the duration of the nervous system. *We are our nervous systems.* When oriental and phenomenological philosophers refer to the *self*, they are usually talking about *the nervous system*. The body is the car. The nervous system is the driver.

The nervous system is best understood as an alien superior intelligence residing in the body, which body it ruthlessly exploits as a means of transportation and supply. Fifty per cent of oxygen goes first to the brain. The body gets the remainder. Every neuron is surrounded by glial

cells which "taste" and digest all incoming supplies to insure that the regal neuron is not poisoned or traumatized.

IMPULSE, BUZZ AND FLASH

Is the nervous system a junky sultan lying in a warm bath dealing drugs back and forth for kicks?

The nervous system sees no color, feels no pain. Messages from the body are experienced as impulse, buzz and flash. The nervous system seeks intensity, novelty, and linkage at high fidelity. The nervous system is an experience addict. Continued change is the diet, high intensity communication the longing desire.

At the rapturic level of maturation, rhythm and prolongation of beauty and physical sensation is the regime. Sensory, somatic love linkage. "Turn on with me."

At the neurological level—intensity, acceleration, novelty, complexity. The person who has emerged into neurological consciousness has access to the most complicated instrument designed by the life process. The nervous system is capable of simultaneous registry of intensities and complexities many times greater than the space circuits. Every unit of space consciousness, each conditioned association, when scanned by the "silent lobes," explodes, radiates with new meaning in any direction. "Receive my transmission. Tune me in."

ALL OR NONE

The law of the neuron is: All or None. The nerve cell is either all-on or all-off. Intensity and novelty determine how many synaptic connections and how many other circuits are turned on.

Words, laryngeal connections, thoughts are essentially learned muscular responses—clumsy and slow. To express consciousness at the neurological level the human being must learn to use multi-level, multi-sensory electric and electronic means of communication and modes of inter-person linkage.

RAPTURE PASSE

During the past decade American psychology and psychiatry, indeed, the new American culture has discovered the Rapture Circuit. Sexual liberation, sensual training, hedonic dress and grooming, massage, the eroticization of all forms of art (all related to the use of rapturic drugs, e.g., cannabis, by the *avant* third of the population) define the cultural evolution of the sixties. It happened on a smaller scale in Rome.

Up until now the electric and electronic instruments made available by the technology have been used for survival and for somatic-sensory rapture—television and FM radio.

THE NEUROLOGICAL AGE

The last quarter of this century will witness the blossoming of the Neurological Age, an entirely new evolutionary stage.

Eras of rapture have routinely occurred in history whenever civilizations have reached an affluent state of physical, political, technical and social security. This emergence of Neurological WoMan is a quantum jump equivalent to the development of dexterity and the opposable thumb. The neurologician must, however, be free from enslavement to the lower circuits. SHe scans the security-danger dials, the emotion dials, has voluntary mastery of the necessary dexterity dials, and is guilt-free in relation to socio-sex role matters.

MALE-FEMALE LINKAGE

We believe (and this is a basic ontological value judgment) that the simultaneous, accelerated, constantly changing panorama of neurological signals can only be balanced from the gyroscopic position of the male-female linkage—at all levels but particularly at Circuit Five. Without the solid connection of interchanged sensory and somatic communication (love), Circuit Six experiences all reality as a buzzing confusion of millions of random messages. The erotic, aesthetic love linkage is necessary to prevent the body from becoming a plastic, electric wind-up toy and the lower circuits marionette cardboard games. The

trust, humor, trans-sexual erotic beauty of the rapture linkage is the only platform from which the quest for higher self consciousness can be launched. The lonely, isolated, babbling, electronic acid freak is the inevitable result of entering the neurological circuit alone.

THE TECHNICAL-NEUROLOGIC SYNCHRONICITY

The existence of the sixth neural circuit was experimentally known to many philosophers before our era: educated epileptics, courageous yogins, *futique* savants. Certainly Lao Tse, Heraclitus, Vedantic sages among others, had crossed over to the simultaneous complexity of changing unity. Until the Einsteinian electronic technological efflorescence of the 1940s no external language existed to describe or exscribe Circuit Six phenomena which cannot be expressd in the third circuit language of words.

The discovery and precise definition of the time-dilating capacities of the "time-hemisphere" occurred exactly when man's spatial electronic dexterity made it possible to write the formulae for escaping gravity and leaving the planet.

THE FUNCTION OF TIME CONSCIOUSNESS

The function of the silent hemisphere and the three time-imprints is to enable mankind to travel off the planet. Interstellar voyaging requires an understanding of the neuro-psychological complications of Einsteinian-Lorentzian space-time

formulae which explain why increasing trip velocity dilates experienced time and decreases aging. Neurologicians who have experiential understanding of these formulae realize that off-planet exploration should be called time travel, not space travel. *When we leave the planet we enter time.* Leaving the planet we leave space. The trans-cortical journey across the *corpus callosum* is the neural equivalent of transcending gravity in leaving the planet.

THE EROTIZATION OF ELECTRONICS

A final word must be spoken about the technological linkage required by the sixth circuit.

The fifth circuit utilizes body-muscle-tool linkages. The aesthetics of rapture involve muscular technology, sensual instrumentation. A man-woman can link up at Circuit Five with no machinery or with the "hippy" aesthetic equipment of Hellenistic Rome—a flute, a tamboura, incense, color dyes, the carved pipe, and so on.

Sixth circuit communication is electronic and requires that we master the computer-synthesizer technology and eroticize it. PSY PHI love means high fidelity. Electronic linkage of nervous systems loving across galactic distances of neurological time.

THE NEUROGENETIC CIRCUIT

"We're Going Home"

THE NEUROGENETIC CIRCUIT is located anatomically within the neuron, mediating communication between the nucleus of the cell (D.N.A.) and the memory-synthesizing structures of the nerve cell.

The seventh circuit is activated at the onset of awareness of the "death" process when consciousness retracts from the space imprints, from the body, from the neural circuit itself, and centers on meta-species signals from the D.N.A. code.

ONTOLOGY RECAPITULATES PHYLOGENY

We have referred above to the hypothesis that the human body is a time capsule, that the serial unfolding of imprints in the individual's life exactly parallels the evolution of the species; the emergence, flowering and disappearance of life from this planet.

The four larval stages of the individual recapitulate the first half (i.e., the early evolutionary sequences) of our species existence: mastery of the spatial skills to survive on and locomote around the planet.

HALFWAY POINT

Mankind has reached its metamorphic halfway point: Hiroshima and solar astronomy both remind us that the time has come to consider how we are to deal with the approaching threats to life on this planet.

RUNNING OUT OF SPACE

Our species is now facing the fact that it has overrun the material-spatial possibilities of this planet. The first four circuits, however stimulating the educating environment, are repetitiously primitive in comparison with the available potentials of the twenty billion cell neural network. The husbandry-comfort orientation of the first four circuits now becomes anti-evolutionary.

WHAT NEXT?

Our global materialistic civilizations are overpopulating the globe with humanoid-robots and space-comfort machines. Exactly at this point a new generation asks the transcendent (transcortical) questions, "Why? What next?"

RAPTURE—THE CHILDHOOD OF TIME

The hedonistic Circuit Five answer is to feel good. The "hippy" philosophy, however appealing in its erotic, aesthetic, playful declaration of erotic linkage and loving peace, soon becomes regressive. The hippy drop-out philosophy produces a society of barefoot philosopher-kings and queens.

This is a necessary phase. The hedonic revolution of the 1960s was the culmination of "the childhood of time," the joyous, infantile discovery by an entire generation of the body as plaything, the delights of direct sensuality. The history of other spatially successful civilizations teaches us that play and display, the worship of eros and beauty is a vulnerably indulgent phase, essentially incapable of protecting itself, existing as an irresponsible elitist froth on the Circuit Four grim, serious social structure.

Darwin, Woodstock and the French Revolution taught the lesson. Evolve or perish.

ECSTASY—THE ADOLESCENCE OF TIME

Circuit Six, the neurological linkage, is the "adolescence of time." Tuning in. This phase of evolution will involve mastery of time-dilation-time-contraction, extra-planetary "time" travel, brain-computer linkage, person-person neural linkage (telepathy) and routinized personal electronic communication.

PHYLOGENETIC REVIEW

Phylogenetically, Circuit Three, the Age of Dexterity, began around two million B.C. with the lower paleolithic *homo habilis*. The Age of Responsible Society (Circuit Four) first appeared around 40,000 years B.C., *homo socians*, Cro-Magnon, and now rules in the grim socialisms of China, Russia and America. The Age of Rapture

dawned around 3000 B.C. when the first leisure class developed, and is now emerging as the life style of the young. The Neurological Age began in 1946 and will become a potent elitist avant garde within three generations. The Neurogenetic Age (Circuit Seven) will begin when mankind has decoded the D.N.A. code* by means of the "G-pill."

THE NEUROLOGY OF DYING

When the body faces a threat to life, alarm signals are flashed throughout the neural network, When these messages indicate that death is imminent, the nervous system shuts off space imprints and abandons the outlying sensory and somatic receiving centers. The neural "drop-out" begins.

At this point the nervous system operates at Circuit Six. Ecstasy (literally, standing outside) comes to everyone at the moment of dying. Until the discovery of L.S.D. the Circuit Six "turn-on"

* It must be understood that "decoding the D.N.A. code" does not refer to biogeneticists and gerontologists jiggling amino acid strands to create selective mutations. Such external micro-genetic research will pave the way, create the external language, for the **individual decoding of His-Her own D.N.A. code**. It must be remembered that neurology preceded neurologic. Several generations of neurologists poked and gazed at neural tissue from the outside before amateur pre-neurologicians learned how to ingest neurological chemicals which suspend synaptic patterns and allow internal neurologic research on one's own nervous system.

was experienced naturally by everyone at the early premonitions of death and by a few who survived the brush-of-death and returned to report the acceleration, simultaneity, intensity of the ex-stasis. "My entire life flashed before my eyes."

The literature of the mystical experience which underlies every major religion has blossomed from the experiences of shamanic, prophetic paleo-neurologicians who experienced Circuit Six revelations because of epileptic "little deaths" or prolonged physical deprivation or traumatic-pathological coma states.

The neurological ecstasy of dying lasts no more than a few minutes in clock time. But subjectively it is experienced as millions of years. The larval imprints with their conditioned "game" association chronologies are turned off. Body time is disconnected—the nervous system is free to tune in to its own rhythmic simultaneity, hundreds of millions of signals per second. The physical explanation of this "external vision of dying" is provided by the Einsteinian-Lorentzian relativity formulae: the faster a body moves the greater the dilation of time. The neurological transformation of these formulae substitutes number-of-neurons-firing-per-second as the "velocity" factor in the relativity formula. A later section of this essay will discuss the management of time-dilation in greater detail.

THE NEUROGENETIC DIALOGUE OF DYING

As the dying experience continues, the neural network itself begins to cut-out. The energy required to fire signals across synaptic barriers weakens. Peripheral axon and dendrite activity is abandoned. Consciousness retreats to the neuron itself. The final dialogue is between the memory-synthesizing centers within the neuron and the D.N.A. code within the cell nucleus. The last voice heard is the explanatory whisper of the genetic blueprint: "Here's where we came from. Here's where we're going."

THE PSYCHOLOGY OF D.N.A.

The D.N.A. code within the neuron is as old as the life process on this planet. For three billion years the D.N.A. code has been building improved models of bodies for housing, nourishment, protection, and transportation to the proximity of other bodies which, via physical-chemical mutual attraction, will be induced to eject or receive sperm-carriers of D.N.A. to create new bodies to house improved nervous systems to continue the evolutionary sequence toward its goal.

The D.N.A. code is a time-capsule of consciousness three billion years old. The D.N.A. code is the miniaturized, invisible essence-wisdom of life. Most of the characteristics

formerly attributed to the "soul" are now seen to describe the functions of D.N.A.

D.N.A. builds more effective nervous systems to pilot, sense, guide, experience, and finally to decode, understand and cooperate in the mission of D.N.A.

THE MISSION OF D.N.A.

The D.N.A. code is literally a code, a complex message.

The message may originate from higher intelligence entities located in other solar systems within and without our galaxy.

It is believed that these entities seed interstellar and intergalactic "space" with amino acid molecules which land on planets where, adapting to and interacting with local chemical, gravitational, atmospheric and radiation pressure, they emerge as evolving life-forms already pre-programmed to produce nervous systems. The evolutionary material was already pre-planned before arrival on this planet to evolve bi-lateral serially-imprinting nervous systems that on the one "hand" could master planetary survival and on the other "hand" explore the message of the mission which is coded within the nervous system and the neuron-nucleus.

The mission of D.N.A. is to evolve nervous systems capable of deciphering the mission of D.N.A. and capable of executing the pre-programmed plan to escape from the doomed planet and

contact other manifestations of the same amino acid seeding which have evolved in other solar systems. The mission is the message—to escape and come home.

The larval left-cortical mind (Circuit Three) naturally assumes that contact with life from other systems will be hostile, competing for space. Galactic cowboys and Indians. The revelations of the time imprints are harmony, linkage, and fusion. The interstellar love story.

Technological mastery of space alone will not permit man to leave the planet and the solar system. Mankind will not be capable of interstellar voyages or inter-system conversations until time has been mastered, until the neurogenetic circuit has been imprinted and integrated into the seven-circuit network.

THE MESSAGE OF D.N.A.

We have already discussed the difference between neurology and neurologic. Neurologists assume, with primitive, larval insouciance that their educated minds are studying bio-mechanical events which characterize nerve tissue—a subject matter which poses no philosophic problems different from the study of the digestive system. The assumptions of neurologic are very different; the conditioned-educated mind is seen as a small, accidentally imprinted part of a total neurological system many million times as complex as the mind. In neurologic the mind attempts to decipher

the messages and instructions of the higher intelligences represented by the neural network and the D.N.A. code.

Christian mystics and oriental philosophers both rely on platitudes about "God within." Neurologic speaks simply of the indisputable chain of creation. D.N.A. designs and constructs the nervous system. The ego, the mind, the personality are accidental and changeable fragments of the imprinted nervous system.

The neurologician attempts to decode the wisdom of higher intelligence within, using the most accurate descriptions of the external science, especially neurology and genetics.

Geneticists, we believe, make the same chauvinistic mistake of assuming that the D.N.A. code is a process to be studied rather than a living intelligence which is as old as life itself and which can teach us the meaning of existence. We neurogeneticsts believe that the D.N.A. code can communicate revelation and instruction. The task is to decipher the message.

We believe that we are at the beginning of the ultimate science. In the decades to come neurogeneticists will learn how to use the nervous system to receive and modulate the instructions of D.N.A. While it may be premature to speculate, it is within the accepted canons of PSY PHI to offer best reasoned expectations of what the D.N.A. instructions will be.

Based on all relevant facts from the sciences of astronomy, genetics and gerontology, we believe that the message of D.N.A. is simple: *Escape! The genetic entity wants off the planet.*

The D.N.A. code has been designing life-forms which evolve from simplicity to greater complexity for three billion years. We can be assured that evolution, far from being completed, has hardly reached its halfway point. So far it would seem that several species could help the D.N.A. code escape from the gravitational pull of the planet: certain unicellular organisms able to float out of space; certain insect species which can fly off; and now, mankind, equipped with a mysteriously and abnormally large cerebral cortex, the newly discovered ability to serially imprint and re-imprint, and the capacity to decode the code.

WE HAVE RUN OUT OF VISION

The cosmology and metaphysics presented in this essay are probably the first of many new philosophies to emerge as mankind enters a new level of maturity. The obvious fact is that we have run out of philosophy.

Science has destroyed the credibility of the earlier theologies. But science has, during this interlude, provided no substitute philosophy. The materializations of Marx and the capitalist-calvinists have produced a crude religion of security, comfort, duty, work, responsibility which threatens to destroy free life on the planet and which

fails to satisfy the basic aching questions: Why? What next? Is comfort and full employment the reason for life? Has the genetic code labored for three billion years to settle for freeways to the suburbs? The alienation of our affluent youth, the irrational social disaffection of our era, the exquisite synchronicity of our technological and neurological discoveries suggest that we are ready for a new philosophic vision of the future.

THE ANTHROPOCENTRIC HORROR OF SCIENCE

At the time of their beginnings perhaps religion and science were the same—humble men and women believing that life had a meaning known to higher intelligence and dedicated to deciphering the mysteries of origin, life, evolution and death.

The subsequent history of religion and science reveals a depressingly regular cycle of dogmatic chauvinism—priesthoods centering salvation and solution of the mysteries upon obedience to their own rituals and dogmas.

The religious orthodoxy of the Middle Ages offered immortality in a next world while ignoring the exigencies of survival on this planet.

Since the Renaissance, science and the rational dogma of protestant Christianity (of which Marxism is a reactive offspring) have centered attention on protecting and extending the life span. The state sponsors research in physics, biology, chemistry, meteorology, geriatrics, to enhance the security and health of the citizenry. A

fortunate by-product of this larval-circuit research is the synchronous spin-off of philosophic implications. An organic chemist in a Basel laboratory experimenting with ergot for a *headache cure* discovers L.S.D. Military scientists developing electronic and cybernetic systems of surveillance and weapon control produce the circuitry which helps us understand what happens in our nervous systems when we take L.S.D.

THE SENILITY OF GERONTOLOGY

Exactly at the time when neurogenetics is speculated as an answer to questions about the meaning and message of the D.N.A. code, a menopausal government, responding to the despair of a geriatric population twenty-one million strong, sponsors and publicizes research on gerontology.

Government funds are appropriated by elderly legislators to research such "hot" gerontological issues as: "The genetic information inside the cell, that's where the action is,"* "cellular mechanisms involved in aging," "decline in the ability of cells to decode instructions from D.N.A.," "specific genes containing programs for aging which instruct cells to function with decreased capacity ('okay, that's enough, let's

* Dr. Leonard Hayflick of Stanford University.

start closing things down')," "genetic programs which run out of information like a tape that runs off its playing reel," "accumulation of errors in transmitting D.N.A. instructions," and so forth.

The anthropomorphic horror is this: scientists attribute almost omnipotent wisdom to an ancient living entity (D.N.A.) without realizing the humbling implications of the human mind treating its creator by proposing to interfere with this process to perpetuate human life without attempting to decode the overall plan of the genetic super-brain.

THE GENETIC PLAN

New attempts to answer the ancient questions about the meaning of life (questions blandly avoided by larval-circuit intellects) would do well to consider the paradoxes already cited (Einsteinian space-time co-variance, neurological relativity involved in L.S.D. re-imprinting, the function of the silent hemisphere of the brain), as well as the great "Life Span Puzzle," to wit: Why is the human life span twice as long as the forty years necessary to breed and protect offspring?

Biogenetics teaches us that "there is a remarkable consistency in the average span of each species."† Under benign circumstances

* Hayflick of Stanford.
†Ibid.

human life expectancy is around eighty years, Galapagos tortoises one hundred and fifty years, horses thirty years, dogs fifteen years, mice three years, fruit flies thirty days.

These life expectancies are clearly determined by the genetic code.

The curiosity is this: why is the human being programmed to live forty years after menopause?

It hardly seems possible that a genetic brain capable of the precise complexity required to create a being such as mankind would program itself so that half of the species thrashes about in senile ennui competing for individual survival with the young upon whom species survival depends.

Indeed it seems monstrous that government scientists are now attempting to prolong the life span of elderly creatures who seem to have no reason for living, and who seem to have no logical reason of their own for having been born.

THE POVERTY OF PHILOSOPHY

After seven thousand years of civilization human philosophy and human science have not yet produced an intelligent speculation as to the meaning of life. Is our double-brain, is our double life span a transient genetic error? Is our knowledge to be used only to drive us move comfortably to the consecrated grave? Or do we not have a role and a goal?

The currently accepted scientific cosmology is the "big bang" theory which holds that our planet will be engulfed in a solar explosion within a few billion years. However accurate as astronomy, the "big bang" is a "big bust" as far as human destiny is concerned. If we attribute any prescient wisdom to D.N.A. we must assume that the genetic intelligence has plans for getting Herself and Her myriad handicrafts off the planet before the fireworks.

THE EVOLUTIONARY PERSPECTIVE OF NEUROGENETICS

Neurogenetics is the science which uses the nervous system to decode the intracellular conversation between the D.N.A. code and the neuron.

The assumption is made (on the basis of rudimentary experiments and common sense) that the genetic message contains information about where life came from, where life is going, and what role our species is to play on the trip.

The neurogenetic philosophy presented in this essay is evolutionary. Every living creature, including every human being, is seen as a mutant. Every individual is considered a highly unique experiment on the part of an evolutionary blueprint. Every human being represents thousands of unique mutant characteristics. Most of the mutations are invisible and detectable only by the most sophisticated bio-chemical assess-

ments. Many are within the nervous system—morphologically undetectable.

The first goal of a neurogenetically alert person is to adopt the evolutionary perspective: to see the goal of mankind as mutational, to see the human role as student and assistant in the evolutionary process.

This implies the neurological facility to suspend one's larval imprints, to voluntarily and selectively suspend one's personal memory capsules, to transcend conditioned reflexes connected with social role and to become an evolutionary agent, a time traveler: to think and experience like the D.N.A. code.

THE DEGREES OF TIME

When one turns on experiences and thinks like one's body, the first degree of time consciousness has been attained. The Circuit Five diploma is awarded. Life is beautiful. Cannabis is, of course, the matriculation key to the school of rapture.

When one tunes in experiences and thinks like one's nervous system, the second degree of time consciousness has been attained. The Circuit Six diploma is merited. Life is all-on, all-out. L.S.D. is the matriculation key to the neurological academy.

When one drops out experiences and thinks like one's genetic code, the third degree of time consciousness has been attained. The Circuit Seven diploma. One becomes all-life. The "G-pill" is the key to the genetic code.

THE "G-PILL"?

Everyone has heard of the dying person's visionary flash perspective.

If this retrospective over-view is of the observer's own personal life it is a Circuit Five flash. The subjective memory banks have been rummaged.

If the over-view is pre-historic, re-incarnative, paleozoic, cosmologically thrilling, then the dying process has reached beyond the nervous system into the cellular genetic archives.

During high-dose L.S.D. sessions subjects experience dying and report either personal Circuit Six or genetic memories and forecasts. L.S.D. has been administered by many government approved scientists to dying patients because it seems to resign the patients to their forthcoming demise.

Opium and opium derivatives also produce "little death" experiences. It is part of the junky mystique that each "hit" is an overdose gamble. The game is to come as close as possible to the one-way exit door.

During the nineteenth century almost every English writer and intellectual used tincture of opium (laudanum), routinely prescribed as tonic and cure for the widest variety of somatic, psychosomatic and psychological disorders. It is no accident that the poetry and prose of this period is characterized by an obsession with the macabre, the Gothic, the thanatotic, the other-worldly, the romantic-melancholic, the shadowy

fantastic, the indifferent detachment of the genetic perspective. Charles Darwin used opium.

Whatever their psychological and medicinal benefits when wisely prescribed, opiates are Circuit One tranquillizers, "turn-off" potions and depressants. The fact that they are also toxic poisons provocative of intimations of mortality makes them an unwieldy Circuit Seven activant.

Neurogenetic theory predicts and anticipates the discovery of an enzyme which will be found within the nerve cells of dying animals or persons. This chemical, when synthesized and administered to healthy subjects, under voluntary conditions of optimal set and setting, will produce the experience of death with no effect on the normal functioning of the body. We now call this drug the "G-pill." It is hypothesized that the G-pill will suspend the space and body imprints* and allow consciousness to tap the D.N.A.-R.N.A. intra-neuron conversation, the final dialogue between the master code and the servant neuron.

If this hypothesis is correct, then mankind will have an experimental tool for examining that elusive question which has tantalized every philosopher and theologian in history. What happens when we die?

* The G-pill may only tap the D.N.A. - R.N.A. conversation within the neuron and may not suspend the first five circuits. If this is true then the G-pill would have to be ingested with L.S.D.

WHAT HAPPENS WHEN WE DIE?

Dying is a merging with the life process. Consciousness returns to the genetic code. We become every form of life that has lived and will live. We become the D.N.A. code and leave the planet with the D.N.A. code.

THE PHYLOGENY OF DYING

We have suggested that the serial appearance of the four larval imprints in the individual's maturation recapitulates the evolution of species.

The planet has now reached the halfway point between its birth swirl and its solar incandescence: a world-wide awareness of the approach of death. The human species reached its halfway point neurologically during World War II, the final convulsive exaggeration of Circuit Four behavior. Social responsibility amplified into national-destiny produced the atomic bomb. The year 1943 witnessed the fission of the Chicago atomic pile, the synthesis of L.S.D., and the birth of a new generation whose allegiance is to their own nervous systems, rather than to national duty and social morality.

At this halfway point begin the first stirrings of an eschatological concern. Up until Hiroshima the consciousness of our race was centered on survival via safety, power, know-how, and more

recently, on social organization.* After Hiroshima we know that neither power, nor technology, nor social organization can protect from death.

Since 1946 the species has been awaiting the new "philosophy of time." Before Hiroshima, speculations about the future were dilettante elitist distractions from the serious business of survival in planetary space. Now, everyone under the age of thirty shares a silent conspiratorial knowledge that the old way is over, that the old dogmas are dead. An enormous vacuum in consciousness exists, similar to, but greater than, the philosophic anticipation which swept the Roman world two thousand years ago.

Now that the past is over we can admit that the "pre-time" state of humanity, despite its military, political, industrial, and social heroics, was, let's face it, a dreary larval, earthbound half-life. Every one of the pre-1946 philosophies and religions is *pessimistic* about the human destiny in this world. Hinduism, Buddhism, Stoicism, Epicureanism, Judaism, Catholicism, Islam, Protestantism, Marxism. What a roster of noble suffering! Not one of these great dogmas offers anything but an exhausted, virtuous peace of mind excited only by the pleasures of militant conversion or persecution of the non-believer.

* The D.N.A. code has only one fear—sudden, accidental radiation which creates such mutant acceleration that pre-programmed evolution is threatened. Hiroshima accelerated the evolutionary entry to Circuits Five, Six, and Seven.

THE OPTIMISM OF NEUROLOGIC

We, Joanna and Timothy, separated by the iron door of the solitary confinement cell, have produced this essay which states, in the exaltation of metamorphosis, *Escape! It's about time.* It's about time for the physical union, the neurological linkage, the genetic fusion which define the higher love. We are ready for the life of time's future which has rested dormant within our larval, armored carapace.

Our bodies merge, our eyes touch, our seed fuses. There is nothing to fear, your eyes see behind me, no reason to struggle. What is above is as below. No shame. Your right hand guides my left. No guilt. We combine every sexual-social possibility. We are beautiful. We are all-out in time. We are the eyes of all life, past and present.

And it's so funny. Because it's so simple. We laugh because all we had to do was what He ordered the first lovers in the garden not to do—pop the pill and see through Her eyes of love.

BUT WHAT ABOUT THE FINAL FEAR?

We have talked about life and love and laughter, but what about death?

What happens after death? That is the question.

There is no death.

Death is a Circuit Three symbol for fear.

When the body stops functioning, consciousness advances to the nervous system, where it belonged all our life time. Consciousness just

goes out to work in the larval circuits and to play in the body of rapture.

When the nervous system stops functioning consciousness goes home (via the neuron cell) to the genetic code where it belongs. She brought us to this planet and She will help us escape from this planet across the interstellar infinity to join our family.

When consciousness leaves the body, neurological existence within a twenty billion cell ecstatic system becomes "infinite" as chronologged by a third circuit verbal mind.

When consciousness leaves the nervous system and fuses with the genetic code we relive all life, since and before entrance to the planet, and we pre-view all life up to and after leaving the planet. The myth of Noah's Ark is a single pre-flash, *futique* card from Her infinite deck.

Everything in the Bible appears to be almost exactly wrong, which makes it so precisely simple. That's why we laugh together in perfect love.